zibro®

S1731* - S1735* - S1753*

guarantee 2 YEARS

GB	OPERATING MANUAL	2
NL	GEBRUIKSAANWIJZING	22
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Dear Sir, Madam,

Congratulations on the purchase of your Zibro airconditioner. You have acquired a high quality product that, if used responsibly, will give you many years of pleasure. Please read these instructions for use first in order to ensure the maximum life span of your airconditioner.

On behalf of the manufacturer, we provide a 24-month guarantee on all material and production defects. Please enjoy your airconditioner.

Yours sincerely,

PVG International b.v.

Customer service department

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A SAFETY INSTRUCTIONS

Install the device only when it complies with local regulations, by-laws and standards. The unit is only suitable for use in dry locations, indoors. Check the mains voltage and frequency. This unit is only suitable for earthed sockets, connection voltage 220 - 240 V. / 50 Hz.

IMPORTANT

- The device MUST always have an earthed connection. If the power supply is not earthed, you may not connect the unit. The plug must always be easily accessible when the unit is connected. Read these instructions carefully and follow the instructions.
- The airconditioner contains a refrigerant and can be classified as pressurized equipment. Therefore always contact an authorized installation specialist for installation and maintenance of the airconditioner. It is to be advised that the airconditioner is inspected and serviced on an annual base by an authorized airconditioning engineer.

Before connecting the unit, check the following:

- The voltage supply must correspond with the mains voltage stated on the rating label.
- The socket and power supply must be suitable for the current stated on the rating label.
- The plug on the cable of the device must fit into the wall socket.
- The device must be placed and mounted on a stable surface.

The electricity supply to the device must be checked by a recognised professional if you have any doubts regarding the compatibility.

- This device is manufactured according to CE safety standards. Nevertheless, you must take care, as with any other electrical device.
- Do not cover the air inlet and outlet grill.
- Never allow the device to come into contact with chemicals.
- Never spray the unit with or submerge in water
- Do not insert hands, fingers or objects into the openings of the unit.
- Never use an extension cable to connect the device to the electric power supply. If there is no suitable, earthed wall socket available, have one installed by a recognised electrician.
- For safety reasons take care when children are in the surrounding of the device, as with any other electrical device.
- Have any repairs and/or maintenance only carried out by a recognised service engineer or your recognised Zibro supplier. Follow the instructions for use and maintenance as indicated in the user manual of this device.
- Always remove the plug of the unit from the wall socket when it is not in use.
- A damaged power cord or plug must always be replaced by a recognised electrician or your supplier.
- Do not operate or stop the airconditioner by inserting or pulling out the power plug. Only use the dedicated buttons on the airconditioner or on the remote control.
- Do not open the airconditioner when it is in operation. Always pull out the electrical plug when opening the device.
- Always pull out the electrical plug when cleaning or servicing the airconditioner.
- Do not place gas burners, ovens and/or stoves in the airstream.
- Do not operate the buttons or touch the airconditioner with wet hands.
- Note that the outdoor unit produces sound when in use, this could interfere with local legislation, it is the responsibility of the user to check and to make sure the equipment is in full compliance with local legislation.
- It is advised to stay out of the direct airstream.
- Never drink the drain water from the airconditioner.
- Do not use for the purpose of storage of food, art work or precise equipment or breeding cultivation.
- When abnormality such as burnt-smell found, immediately stop the operation button and contact sales shop.
- Check proper installation of the drainage securely.

Do not install in the following places:

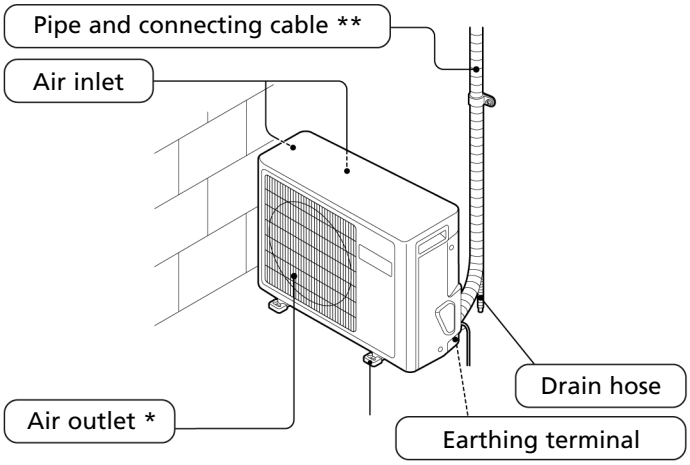
- Heat or steam is generated in the vicinity.
- Under influence by the atmosphere containing in excess salt (in coastal area), sulphide gas (in spa), ammonia, steam of high temperature and vapor.
- Air flow from outlet is blocked, for example by snow.
- Where oil is dispersed or oil fumes hang over.

ATTENTION!

- Never use the device with a damaged power cord, plug, cabinet or control panel.
- Failing to follow the instructions may lead to nullification of the guarantee on this device.

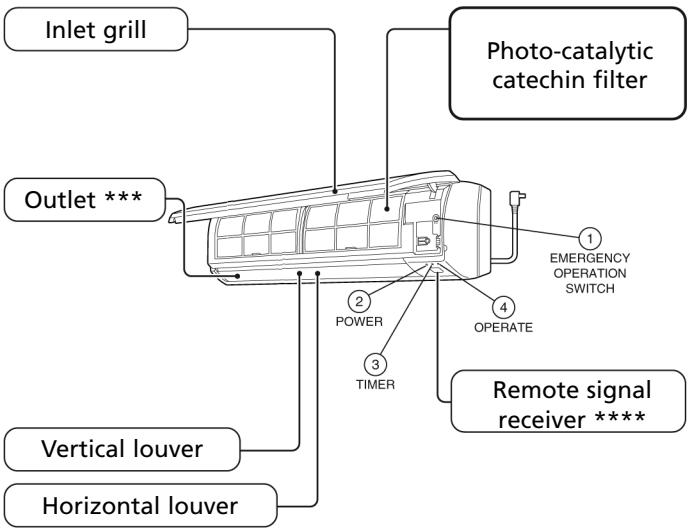
B PARTS AND FUNCTIONS

Outdoor unit



* Warm air comes out when cooling, cool air comes out when heating.
** Not included.

Indoor unit



*** The air flow direction can be adjusted with the vertical and horizontal louvers.

**** Beeping sound assures successfull signal transmission between wireless remote and the indoor unit.

Operating panel

1. EMERGENCY OPERATION (manual) SWITCH. To operate the unit if the remote control is not operational.
2. POWER INDICATOR. Lights up when this function is activated.
3. TIMER. Time indicator lights up during preset time.
4. OPERATE. Operating indicator lights up when the unit is in operation.

Auto recovery function

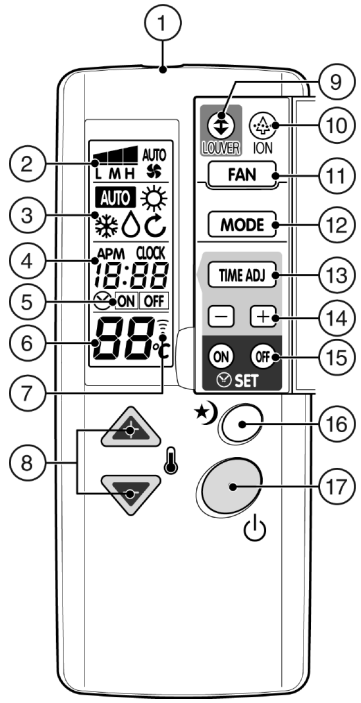
If there is any power failure during operation, operation status before power failure is memorized. 3~4 minutes after power recovery, the unit restarts automatically with previous operation status memorized (3~4 minutes is protective time for compressor).

ATTENTION!

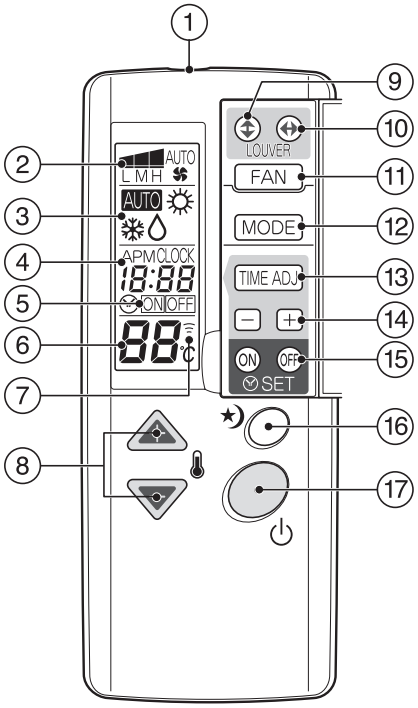
- Because of Auto Recovery Function, if shutting off the power supply during operation, the unit may restart irrespective your intention when turning on the power supply again.
- If the unit is not to be used for a long time, shut off the power supply after terminating all operation with remote controller.

Remote Control

S1731* - S1735*



S1753*



① TRANSMITTER

Sends signals to the receiver of the indoor unit.

② FAN SPEED INDICATION

Indicates the fan speed selected by the fan speed button. When set at "AUTO", the fan speed changes automatically according to the difference between the designated temperature and the room temperature.

③ OPERATION MODE INDICATION

Indicates the current operating mode

④ TIME DISPLAY

Indicates the present time or the timer.

⑤ TIMER MODE INDICATOR

ON: The air conditioner starts operation at the designated time.
OFF: The air conditioner stops operation at the designated time.

⑥ TEMPERATURE INDICATION

Indicates the temperature set by the temperature setting buttons.

⑦ TRANSMITTING INDICATION

Lights up when a signal is sent.

⑧ TEMPERATURE SETTING BUTTONS

The setting temperature increases by 1°C (1.8°F) per press.

The setting temperature decreases by 1°C (1.8°F) per press.

Holding a button changes the temperature setting quickly.

⑨ LOUVER BUTTON

Air flow direction can be changed horizontally (upward and downward) by each press.

⑩ VERTICAL LOUVER BUTTON (S1753*)

Air flow direction can be changed vertically with swing movement (right and left) by each press.

⑩ IONIZER BUTTON (S1731* - S1735*)

Generates negative ions. For the inverter models only, the power indicator lights up red.

⑪ FAN SPEED BUTTON

Use to adjust the fan speed. The indication of the fa speed varies among "L" (Low), "M" (Medium), "H" (High), and "AUTO" each time the button is pressed.

⑫ OPERATION MODE BUTTON

Use to change the operating mode. The indication of the operating mode varies among AUTO (Automatic), ❄ (Cooling), ♢ (Dry), ↻ (Circulating) and ☼ (Heating) each time the button is pressed.*

⑬ TIME ADJ BUTTON

Press the "TIME ADJ" button to adjust the present time or the timer.

⑭ ⊕, ⊖ BUTTONS

Press these buttons to adjust the present time or the timer.
⊕ Forward time
⊖ Backward time
Holding a button changes the time setting in 10-minute intervals.

⑮ TIMER FIXING BUTTONS

Press these buttons to turn the timer ON or OFF.

⑯ SLEEP BUTTON

Press this button for the Sleep setting.

⑰ ON/OFF BUTTON

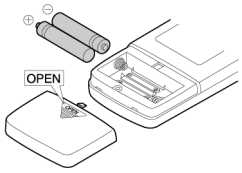
Starts operation with a press: stops operation with the next press.

NOTE

- 00:00 A.M. – 12:00 A.M. = 00:00 – 12:00
- 00:00 P.M. – 12:00 P.M. = 12:00 – 24:00

C BEFORE OPERATION

1. Operating the Remote Controller



Install / Replace Batteries

Use two dry alkaline batteries (AAA/LR03).

Do not use rechargeable batteries.

1. Remove the battery cover on the back of the Remote Control by pulling it according to the arrow direction shown on the cover.
2. Insert new batteries making sure that the (+) and (-) of battery are installed correctly.
3. Reattach the cover by sliding it back into position.

NOTE!

- When replacing batteries, do not use old batteries or a different type battery. This may cause the remote controller to malfunction.
- If you do not use the remote controller for several weeks remove the batteries. Otherwise battery leakage may damage the remote controller.
- Replace the batteries when there is no answering beep from the indoor unit or if the Transmission Indicator light fails to appear.
- Never mix new and old batteries. Never use different battery types (e.g. alkaline and manganese dioxide) simultaneously.

Storage of the remote control and tips for use

The remote control can be placed in the wall-mounted holder. The wall-mounted holder is delivered together with the unit.

Using the remote control

Point the remote control at the receiver on the indoor unit of the air conditioner. The air conditioner can be operated in this manner up to a distance of approximately 7 meters.

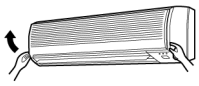
2. Attaching filters

This air conditioner is equipped with a 3 in 1 air filter (Photo-catalytic catechin filter) to clean the circulated room air.

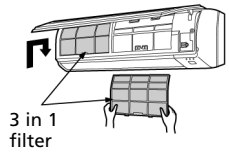
- Anti-Dust: Screening dust and large particles in the air.
- Anti-Odor: Deodorizing bad smells from cigarette (acetaldehyde), pets (ammonia), and garbage.
- Anti-Germ: Preventing E-coli, MRSA, and other bacteria from proliferating.

COMMENT

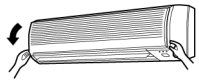
- Never use the airconditioner without the air filter.
- Only use suitable Zibro filters. This will prevent damage to your airconditioner.
- Suitable filter packages are available at your dealer.



a. Open the front panel by pulling upward



b. Attach the 3 in 1 filter behind the stopper so that the "FRONT" indication is showing outward. Make sure that the filters are completely behind the stoppers. If the filters are not attached correctly, it may cause defects.

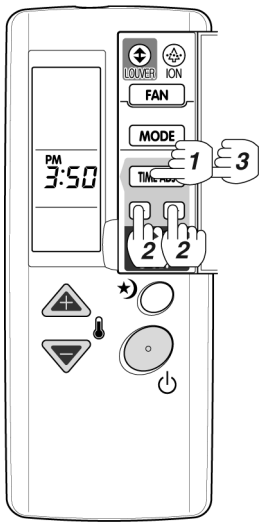


c. Close the front panel by pushing downward.

D INSTRUCTIONS FOR USE

Present time setting

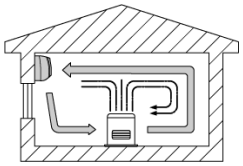
Example: Set to 3:50 p.m.



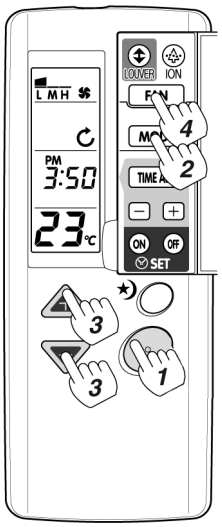
1. Press the "TIME ADJ" button once
2. Adjust the time with "+", "-" buttons. Holding a button changes time setting in 10-minute intervals.
3. Press the "TIME ADJ" button 3 times. The present time appears on the display. The setting is complete.

NOTE
Even if the actual time is not programmed, you can use all operations except "Timer operation"

Circulation operation



When you use other heating equipment, heated air accumulates in the upper space of the room. Using the operation "Circulation" will equalize the differences between the upper and lower spaces of the room and improves the efficiency of your heating equipment.

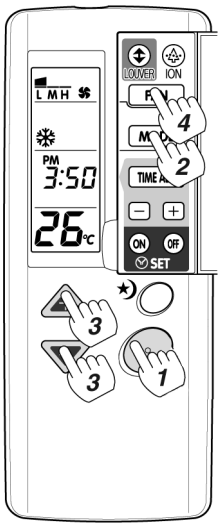


1. Press the ON/OFF button
2. Set the operation mode, circulating ↻, by pressing the operation mode button.
3. Adjust the setting temperature by pressing the temperature setting buttons. Circulating Operation begins after the room temperature reaches the temperature set by the remote controller.
4. Adjust the fan speed by pressing the fan speed button. When the MODE is set at "AUTO", the fan speed changes automatically.

WARNING!

- Do not place heating equipment right under the indoor unit and the remote controller.
- Adjust air flow direction to avoid the direct airflow hitting to the heating equipment.
- Provide adequate ventilation

Cooling/heating/dry operation



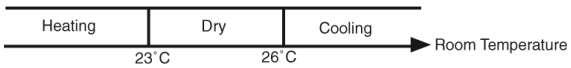
1. Press the ON/OFF button
2. Set the operation mode to Cooling ❄, Heating ☼ or Dry 💧, by pressing the operation mode button
3. Adjust the setting temperature by pressing the temperature setting buttons.
4. Adjust the fan speed by pressing the fan speed button. When the mode is set at "AUTO" the fan speed changes automatically.

NOTE!

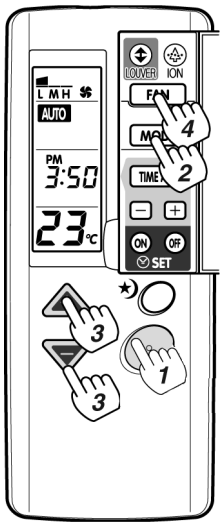
- If the unit operates in cooling or dry for a long time in high humidity (i.e., windows and doors are opened), dew and water drops may form on the indoor unit. Be aware that falling drops of water can damage your floor (e.g. carpet or parquet).
- If you set a low temperature for dry operation, you may feel the air flow is cold.
- During dry mode operation, the system performs the cooling operation until the room temperature reaches 1~2°C above the setting temperature. Then it continues dry mode operation intermittently with fan speed at "LO", regardless of the designated speed.
- During dry operation, the indoor unit stops operating for 3 minutes when the room temperature reaches the setting temperature.
- During the heating operation, the outdoor unit may frost and heating capacity may be reduced. In this case, the unit stops its heating operation and conducts defrosting operation automatically. During the defrosting operation, the fans of the indoor and outdoor units stop.
- Unless the heat exchanger gets warm enough, the air will not flow out to prevent cold air.

Automatic operation

In automatic operation the air conditioner selects the operation mode (cooling, dry, heating) according to the room temperature when it starts.



- The air conditioner will restart in the previous mode if automatic operation is resumed within 3 hours from the switch-off.
- Mode review. The computer checks and compares the room temperature regularly after the compressor shuts off, and will adapt the operating mode.



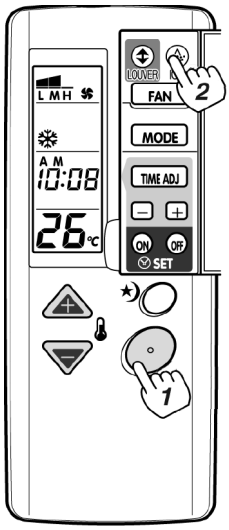
1. Press the ON/OFF button
2. Set the operation mode to Automatic "AUTO", by pressing the operation mode button
3. Adjust the setting temperature by pressing the temperature setting buttons.
4. Adjust the fan speed by pressing the fan speed button. When the mode is set at "AUTO" the fan speed changes automatically.

NOTE

If the selected mode by Automatic operation does not suit you, set the operation mode (cooling, dry, heating) with the operation mode button.

Negative ion operation (only on S1731* and S1735*)

This function is available only when the air conditioner is operating.



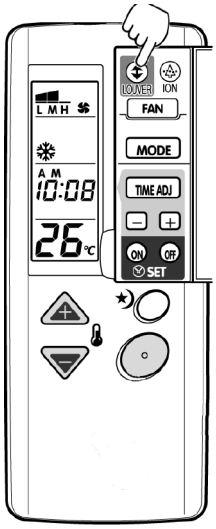
1. Press the ON/OFF button
2. Press the ionizer button

To stop negative ion operation, press the ionizer button.

Air flow adjustment

Horizontal adjustment (all models)

When the ON/OFF button is pressed, the horizontal louver will move automatically.



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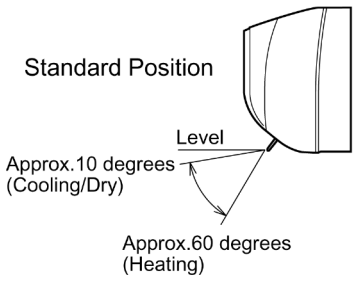
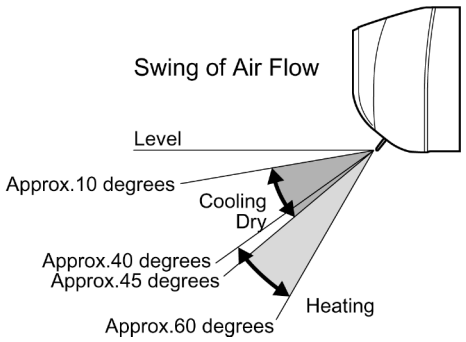
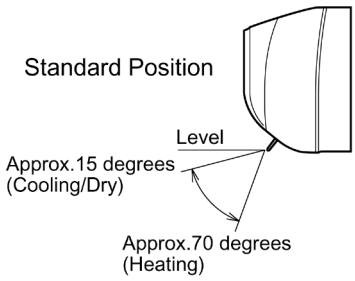
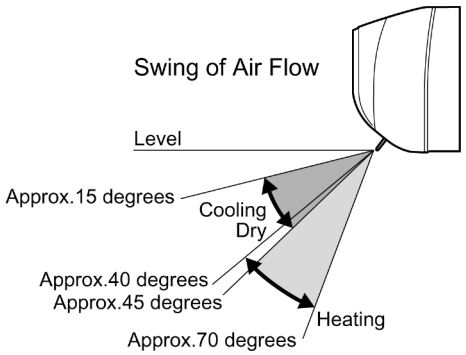




S1753*





Swing of air flow (horizontallay)
If the louver button is pressed once, the horizontal louver will move within the range of the figure above.

Fixing the air flow Direction
If the louver button switch is pressed again, the horizontal louver will be fixed and that position is memorized. From the next operation the louver will be set at previous position automatically.

Vertical adjustment

Swing of Air Flow (vertically)
The vertical airflow can be adjusted by manually changing the vertical louver blades.
For S1753* only: the vertical louver will keep moving steadily right and left if the vertical louverbutton is pressed once.

Fixing the flow direction:
For S1753* only: The horizontal louver will come to a halt if the vertical louver button is pressed once again.

NOTE!
- When the operation is off, the horizontal louver closes the outlet automatically.
- Do not move the horizontal louver by hands. It may make the louver not to work correctly. In order to move the vertical louver, use wireless remote controller without fail. In case the louver does not work correctly, once stop the operation and turn on again.
- During in cooling or dry operation, the horizontal louver should not be downward for long time.

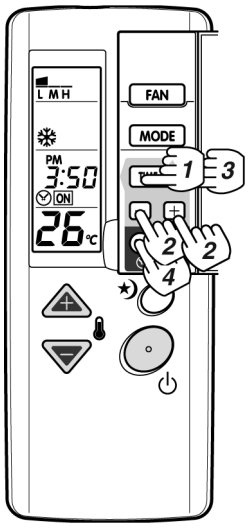
Timer operation

Before setting the timer, confirm that the present time is set accurately. Once you set the timer, the remote controller memorizes the setting. From the next time, you can operate the same timer mode just by pressing the ON/OFF button and the Timer fixing (“ON/OFF Timer”) button.
You can use the combined function of the “ON Timer” and “OFF Timer”.

"ON Timer"

Example: set the "ON Timer" to 7 a.m.

Operation starts at the set time.



Programming the "ON Time"

1. Press the "TIME ADJ" 2 times.

2. Adjust the time with the ⊕, ⊖ button. The time setting changes in 10-minute intervals. Hold the button to fast forward the time.

3. Press the "TIME ADJ" button two times. The setting of "ON Time" is complete and the present time appears.

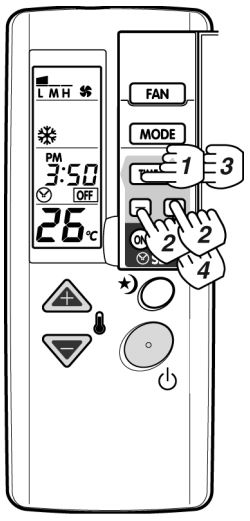
4. Press the timer fixing button "ON". The "ON Time" is displayed for 2 seconds and then the present time appears.

Cancelling "ON Timer"

Press the Timer fixing button "ON". The timer lamp of the indoor unit goes off.

"OFF Timer"

Example: Set the "Off Timer" to 10 p.m. Operation starts at the set time.



Programming the "OFF Time"

1. Press the "TIME ADJ" 3 times.

2. Adjust the time with the ⊕, ⊖ button. The time setting changes in 10-minute intervals. Hold the button to fast forward the time.

3. Press the "TIME ADJ" button once. The setting of "OFF Time" is complete and the present time appears.

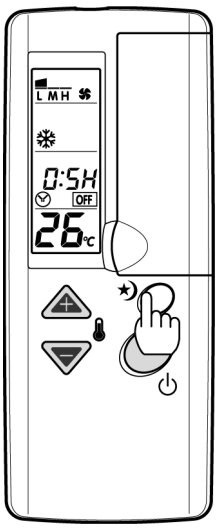
4. Press the timer fixing button "ON". The "ON Time" is displayed for 2 seconds and then the present time appears.

Cancelling "OFF Timer"

Press the timer fixing button "OFF". The timer lamp of the indoor unit goes off.

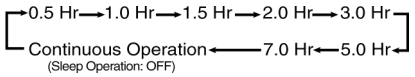
"SLEEP Timer"

Pressing this button starts the timer mode that will stop the operation after the setting time.



Press the "SLEEP" button during the operation.

The setting time repeats the following mode by pressing the button:

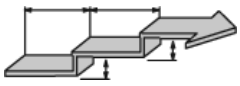


Continuous operation (Sleep Operation: OFF). The operation stops after passing the setting time.

NOTE

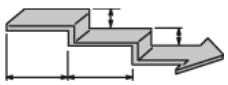
- When you select both "OFF Timer" operation and "Sleep Timer" operation, the latest setting precedes the first setting.
- "Sleep Timer" operation has no need to set the present time.

Sleep Timer features



During Cooling Operation

The setting temperature rises 0.6°C after 30 minutes of Sleep Timer ON, and rises 0.6°C again after 30 minutes of the first temperature rise.



During Heating Operation

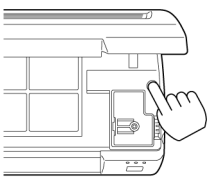
The setting temperature drops 0.6°C after 30 minutes of Sleep Timer ON, and drops 0.6°C again after 30 minutes of the first temperature drop.

Emergency and test operation

Emergency Operation

- The emergency operation is needed only when the remote control can not be used.
- When you press the Emergency Operation Switch, you will hear a beep and the emergency operation starts.
- Emergency operation is preset for the following two modes, only based on the temperature of the room at the time of operation.

Temperature	Operation mode	Designated temperature	Timer mode	Air flow
Above 23°C	Cooling	26°C	Continuous	Automatic
Below 23°C	Heating	23°C	Continuous	Automatic



NOTE
Emergency operation at the temperature between above 23°C and below 26°C just switch the machine in operation in "cooling mode" without actually "cooling". It is not possible to operate in "Dry" mode.

Test operation

- Same switch as used in Emergency operation.
- Test operation is needed in special occasion when you need to test the "cooling operation" even with the room temperature below 16°C, therefore it is not for the normal operation at all.
- Press the Emergency operation switch and hear the beep once, then keep on pressing the switch for more than 5 seconds but no more than 10 seconds. After the first 5 seconds you will hear two beeps then release the switch and you will have the Test Operation Mode.
- The Test Operation Mode will run the air conditioner at "cooling" with air flow speed at "Hi" for 30 minutes and stops automatically.

Termination of emergency or test operation

- You can terminate the operation when you hear a beep by either pressing the switch once more, or by operating through remote control.
- When you operate through remote control, is automatically get back to just normal operation mode by remote control.

E AIR FILTER

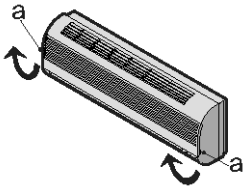
This air conditioner is equipped with a 3 in 1 filter to clean the circulated room air.

a. Anti-Dust: Screening dust and large particles in the air.
b. Anti-Odor: Deodorizing bad smells from cigarette (acetaldehyde), pets (ammonia), and garbage.
c. Anti-Germ: Preventing E-coli, MRSA, and other bacteria from proliferating.

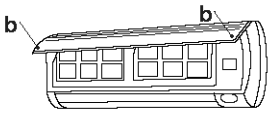
NOTE
The 3 in 1 air filter is delivered in a plastic packaging. Remove plastic bag and install the filter. This filter takes away unhealthy particles out of the room environment.

F CLEANING

Cleaning the front panel



1. Switch the machine off and remove the plug from the socket.
2. Hold the front panel at position "a" and pull it upwards.
3. Clean with a soft dry cloth. Use lukewarm water (max. 30° C) to remove stubborn dirt.
4. Never use volatile substances, such as benzine, gasoline, thinner or abrasives to remove dirt.



5. Never spray water on or in the indoor unit. Danger!
6. Replace the front panel and close it by pushing position "b" down.

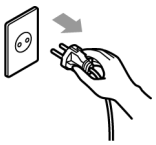
Cleaning the filter

The 3 in 1 air filter must be cleaned regularly (approximately every 2 weeks)

1. Switch the machine off completely.
   - Open the front panel (a).
   - Push up the filter's center tab slightly until it is released from the stopper, and remove the filters downward.
2. Cleaning the filter.
   Use a vacuum cleaner to remove dust, or wash the filter with water. After washing, dry the filters completely in the shade.
3. Attach the filters.
   Attach the filters behind the stopper so that the "FRONT" indication is showing outward. Make sure that the filters are completely behind the stopper. If the filter is not attached correctly, it may cause defects.
4. Close the front panel.

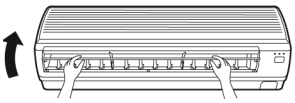
NOTE
Never use the air conditioner without the 3 in 1 filter.

Maintenance of the negative ion generator (twice a year) (only S1731* - S1735*)

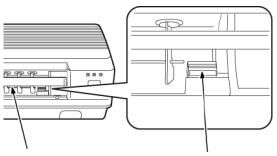


1. Switch the machine off and remove the plug from the socket.

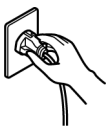
WARNING!
Make sure that the air conditioner is not operating.



2. Open the horizontal louver carefully by hand.



3. Pick up dust on/around the negative ion generator. Gently rub the tip of the metal needle, in the negative ion generator, with a plastic (tooth-)brush. Do not use a cotton swab or other fluffy object.



4. Close carefully the horizontal louver. Plug in the power plug. The air conditioner can be used again.

G TROUBLE SHOOTING

CAUTION!
In the event of a malfunction (burning smell, etc.) immediately stop operation, disconnect the Power Supply plug and consult sales shop. Before requesting service, perform the following checks:

The following problems do not always indicate a fault. Please check them before contacting the service department:

Problem	Cause / Solution
The system does not start re-operation immediately.	This is for protection of the system. After a stop, the sys-tem does not start operation for approx. 3 min
Smells are generated.	This is because the system circulates smells from the interior air such as the smell of cigarettes, cosmetics, the walls or furniture.
Occurring of noise.	When cooling is started or heating is stopped, a swishing or a gurling noise may be heard. This noise is generated while the refrigerant is flowing in the air conditioner.
	When starting or stopping operation, a cracking noise may be heard. This noise is generated by the casing expanding or shrinking because of temperature changes.
	A whooshing noise may be heard during operation of the system. This noise is generated when the refrigerant changes direction.
Air does not flow (Indoor Unit). Air flow speed can not be changed.	During the dry mode operation, air may not flow out, to prevent excessive cooling.
	During the heating operation, air does not flow out until the air is heated enough to prevent cold air flow. During the thawing in heating, air may not flow.
Cooling/heating is not sufficient.	The cooling/heating function may not work effectively when the air filter is clogged with dust and dirt.
	Make sure the room temperature has not yet reached the designated level.
	Make sure the air flow speed is not set at "LO".
	Make sure the inlet or outlet of the outdoor unit is not blocked.
	When the room temperature has not reached the required level because of low ambient temperature, add other heating facilities.
The indicator on the wireless remote controller is dim.The indicator dims when sending signals.Indication does not appear on the wireless remote controller.	Make sure if the dry batteries have enough charge. Use dry R-03 (AAA) batteries. Replace worn dry batteries with a new pair batteries.
	Make sure the dry batteries are set in the right polarity directions.
Misting (Indoor Unit)	It is caused by chilled air in cooling operation.
Steaming (Outdoor Unit)	It is caused by defrosting of outdoor unit in heating operation.

In case of an emergency while in operation, such as malfunction, stoppage or unoperative remote control unit caused by lightning damage or automobile radio transmitter, please unplug and wait for three minutes. Then plug in again and push ON/OFF button on the remote control unit.

Never try to repair or dismantle the air conditioner yourself. Incompetent repairs result in loss of warranty and can endanger the user.

H GUARANTEE CONDITIONS

The air conditioner is supplied with a 24-month guarantee, commencing on the date of purchase. All material and manufacturing defects will be repaired or replaced free of charge within this period. The following rules apply:

1. We expressly refuse all further damage claims, including claims for collateral damage.
2. Repairs to or replacement of components within the guarantee period will not result in an extension of the guarantee.
3. The guarantee is invalidated if any modifications have been made, non genuine parts are fitted or repairs are carried out by third parties.
4. Components subject to normal wear, such as the filter, are not covered by the guarantee.
5. The guarantee is valid only when you present the original, dated purchase invoice and if no modifications have been made.
6. The guarantee is invalid for damage caused by neglect or by actions that deviate from those in this instruction booklet.
7. Transportation costs and the risks involved during the transportation of the air conditioner or air conditioner components shall always be for the account of the purchaser.
8. Damage caused by not using suitable Zibro filters is not covered by the guarantee.
9. Refrigerant loss and/or leakage because of incompetent (dis)connecting the units is not covered by the guarantee conditions applicable to this product.

To prevent unnecessary expense, we recommend that you always first carefully consult the instructions for use. Take the air conditioner to your dealer for repairs if these instructions do not provide a solution.

I TECHNICAL DATA

Model		S1731 *	S1735 *	S1753 *
Type air-conditioner		DC inverter Wall mounted split		
Cooling capacity, nom (min-max)*	W	2640 (1290-3100)	3315 (1400-3500)	5200 (1500-5300)
Cooling capacity, nom (min-max)*	BTU/h	9000 (4400-10600)	11300 (4800-11900)	17700 (5100-18000)
EE Class*		A	A	C
EER*	W/W	3,62	3,76	2,81
Heating capacity, nom (min-max)*	W	3230 (1400-3600)	3670 (1930-4200)	6750 (1470-7300)
Heating capacity, nom (min-max)*	BTU/h	11000 (4800-12300)	12500 (6600-14300)	23000 (5000-25000)
Heating performance		A	A	A
COP*	W/W	3,74	4,52	3,61
Dehumidifying capacity ***	L / 24h	38	48	67
Power consumption cooling, nom	kW	0.73	0.88	1.85
Power consumption heating, nom	kW	0.86	0.81	1.87
Power supply	V / Hz / Ph	220 - 240 / 50 / 1	220 - 240 / 50 / 1	220 - 240 / 50 / 1
Current (nom.) cooling / heating	A	3.5/4.1	4.2/3.9	8.4/8.5
Max. Current	A	5.3	5.9	10.3
Generated negative ions****	quantity / cc	9000	9000	n/a
Air flow cooling/heating**	m^3/h	468/438	558/588	690/630
For rooms up to**	m^3	75-100	85-110	130-150
Compressor type		Rotary	Rotary	Rotary
Fan speeds		3	3	3
Thermostatic range	°C	16 - 30	16 - 30	16 - 30
Operating range	°C	+1 - 43	+1 - 43	+1 - 43
Controls manual /mechanic /electronic		Electronic remote	Electronic remote	Electronic remote
Remote control Yes / No		Y	Y	Y
Air filter type(s)		Photocatelytic Catechin (3 in 1)		
Refrigerant type / charge	r / gr	R410a / 850	R410a / 850	R410a / 1200
Refrigerant pipe diameter Liquid-Gas	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
Pressure suction / discharge	bar	12/41	12/41	11/41
Dimensions indoor unit (w x h x d)	mm	795 x 265 x 200	795 x 265 x 207	799 x 295 x 232
Dimensions outdoor unit (w x h x d)	mm	780 x 530 x 277	780 x 530 x 277	780 x 530 x 277
Net weight indoor unit	kg	7.5	8.5	9
Net weight outdoor unit	kg	29	30	34
Gross weight indoor unit	kg	10	11	12
Gross weight outdoor unit	kg	32	33	37
Sound pressure level indoor unit	dB(A)	25-38	25-43	27-44
Sound pressure level outdoor unit	dB(A)	42-44	42-44	49-51
Unit protection indoor	IP	IPX0	IPX0	IPX0
Unit protection outdoor	IP	IPX4	IPX4	IPX4
Fuse rating		T3.15A / 250V	T3.15A / 250V	T3.15A / 250V

* EN 14511

** To be used as indication

*** Moisture removal at 32°C, 80% RH

**** Measured at air discharge

Waste electrical products should not be disposed with household waste.
Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Environmental information: This equipment contains fluorinated greenhouse gases covered by the Kyoto Protocol. It should only be serviced or dismantled by professional trained personnel.

This equipment contains R410a refrigerant in the amount as stated in the table above. Do not vent R410a into atmosphere: R410a, is a fluorinated greenhouse gas with a Global Warming Potential (GWP) = 1975

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